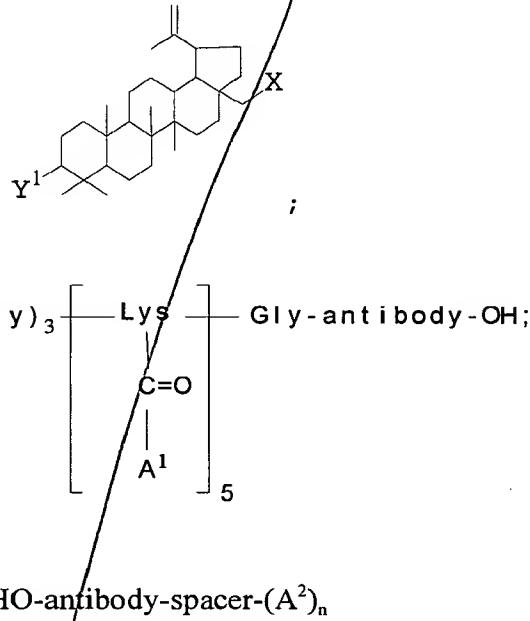


ABSTRACT OF THE DISCLOSURE

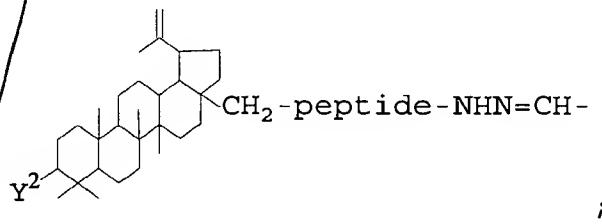
Chs B1
5
T, 0010
and
10
T, 0011
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T, 0012

The present invention is directed to betulinol derivatives and betulinol-antibody conjugates having the formulae:

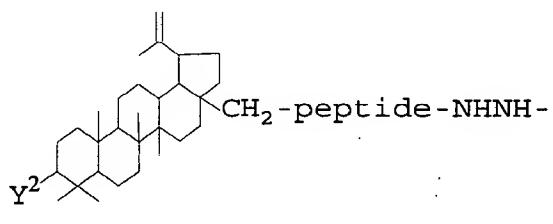


wherein

A^1 is a moiety having the formula:



A^2 is a moiety having the formula:



n is an integer from 1 to 100;

X and Y¹ are each independently selected from the group consisting of a hydroxy group, an alkoxy group, an alkanoyloxy group, and a-peptide-NHNH-C(O)-antibody-OH moiety;

5 Y² is selected from the group consisting of a hydroxy group, an alkoxy group, and an alkanoyloxy group; and

HO-antibody-H is an antibody

and, in particular, betulinol dimethyl ether. Methods for making and using these
10 derivatives and conjugates, as well as a method for making and using betulonic aldehyde,
are also disclosed.

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